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In re Pro Se application of: Mario Rabinowitz and David Overhauser

Serial No. : 10/786,665 Filed: Feb. 25, 2004.

Title: Manufacture of and Apparatus for Nearly Frictionless Operation of a

Rotatable Array of Micro-Mirrors in a Solar Concentrator Sheet

Examiner: Tuyen Tra; Art. Unit: 2873; ph. 571, 272-2343

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Number of pages: 12 pages.

Dated: Nov. 29, 2004.

By Mario Rabinowitz

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By Mario Rabinowitz
Mario Rabinowitz

Amendment

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Honorable Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Nov. 29, 2004

Sir:

Applicant is responding to the Action by Examiner Tuyen Tra of Oct. 12, 2004, mailed Oct. 18, 2004.

I. General Remarks

Specular reflection by embedded mirrored in the balls is unique in our invention. "Specular reflection" is a commonly used term in optics and elsewhere. Specular reflection is standardly understood to occur from a "planar mirror" as taught in our invention and shown in our figures, in which the angle of reflection is equal to the angle of incidence of a light ray relative to a line perpendicular to the macroscopic reflecting surface, and the rays lie in the same plane with it. Thus the reflected light ray travels in a definite predictable and focusable direction.

Mirrors embedded in balls are not part of the cited Engler et al., Sheridan et al., and Jacobson patents relied upon by Examiner Tra. These patents utilize diffuse reflection in which the light cannot be aimed or focused as in our invention because it is reflected in a multiplicity of directions. They want their

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